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PATENT ABSTRACTS OF JAPAN

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(71) Applicant: CASIO COMPUT CO LTD

(84) Designated contracting states:

(72) Inventor: TOYAMA TADAHISA

(74) Representative:

(54) BIOSENSOR

(57) Abstract:

PURPOSE: To provide a small-sized biosensor which can measure a liquid specimen in a very small quantity.

CONSTITUTION: A working electrode 14 and a counter electrode 16 are installed on opposite inside faces of an upper substrate 11 and a lower substrate 12 which are faced, and an immobilized enzyme film 15 is formed on the surface of the working electrode 14. A spacer 13 is interposed between the immobilized enzyme film 15 and the counter electrode 16 so as to be dispersed, the interval between both electrodes is made uniform, and both electrodes are held by a seal material. A drop introduction part 12a which is extended to a side part from the opposite part is formed on the lower substrate 12. By this constitution, both substrates can be formed to be of a stacked and compact structure as viewed from a plane. In addition, a liquid specimen 18 which has been soaked between both electrodes can be set to be a very small quantity, it is sufficient to drop the liquid onto the drop introduction part 12a, and a measurement can be performed surely and easily.



